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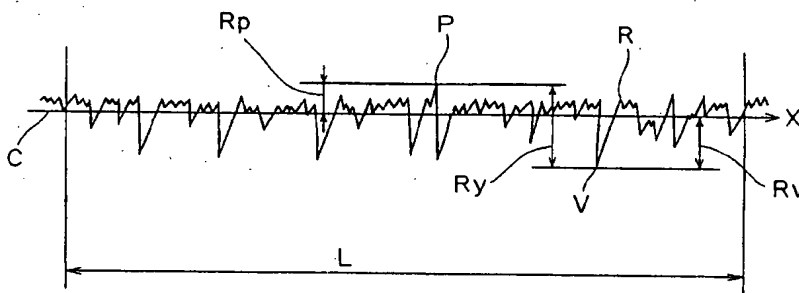
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(54) MECHANICAL PART

(57) A mechanical part having a rolling contact surface (11a) with many isolated minute recesses. A maximum height R_y of a roughness curve R obtained by cutting this contact surface (11a) with a plane perpendicular thereto is $1-3\ \mu\text{m}$, and a peak height R_p with respect to the center line of the roughness curve R and a valley depth R_v with respect thereto have the relation of $R_p/R_v \leq 0.3$. This indicates that the contact surface

(11a) has very low peaks of a relatively high distribution and very deep valleys of a relatively low distribution. Owing to the very low peaks of a relatively high distribution, a sufficiently wide contact area is secured. Owing to the valleys of a low distribution and a large depth, oil reservoirs of a sufficient capacity are formed.

FIG. 1



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